

VOSTOKOVA, Ye. A.

"Vegetation as an Indicator of the Geological and Hydrogeological
Conditions of Deserts and Semideserts and Their Utilization."
Cand Biol Sci, Moscow State U, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

VOSTOKOVA, Ye.A., ZHDANOVA, G.I.

Using geobotanical characteristics in aerogeological mapping
in western Kazakhstan. Trudy VAGT no.1:11-18 '55. (MLRA 9:11)
(Aeronautics in geology) (Kazakhstan--Phytogeography)

VOSTOKOVA, Lev A.

Using desbotanical methods for hydrogeological investigations
in deserts and semideserts. Trudy VAGT no.1:44-60 '55. (MLRA 9:11)
(Desert flora) (Water, Underground)

VIKTOROV, S.V., VOSTOKOVA, Ye.A., VORONKOVA, L.F.

Using geobotanical characteristics for detecting tectonic dis-
turbances. Trudy VAGT no.1:89-98 '55. (MLRA 9:11)
(Phytogeography) (Earth movements)

KOSTOKOVA, L.Y., VYSHIVKIN, D.D., KAS'YANOVA, M.S., NESVETAYLOVA,
N.G., SHVYRYATEVA, A.M.

Geobotanical evidence of bituminosity. Trudy VAOT no.1:99-117
1955. (MLRA 9:11)
(Phytogeography) (Petroleum) (Prospecting)

VIKTOROV, S.V.; VOSTOKOVA, Ye.A.

Vegetation cover as an indicator of alkalinity in landlocked basins
of Ust-Urt. Izv. AN SSSR Ser. geog. no. 1:91-96 Ja-Y '56. (MIRA 9:7)

1. Vsesoyuznyy Aerogeologicheskiy treat.
(Ust-Urt--Alkali lands) (Plants, Effect of alkaloids on)

VOSTOKOVA, Ye.A., kandidat biologicheskikh nauk

Locating fresh water from vegetation in arid regions. Gig. i san.
21 no.12:37-38 D '56. (MLRA 10:1)

1. Iz Vsesoyuznogo Aerogeologicheskogo tresta.

(WATER

fresh ground water determ. by flora in arid regions)

(PLANTS

determ. of flora in search of fresh ground water in
arid regions)

X
VOSTOKOVA, Ye.A.

Geobotanical observations during hydrogeological investigations
in the Temir-Aktyubinsk region of the Urals. Sov.geol.no.56:63-71
'56. (MLRA 10:4)

(Aktyubinsk Province--Phytogeography)
(Aktyubinsk Province--Water, Underground)

VOSTOKOVA, Ye.A.

Effect of lithological conditions on the complexity of vegetation
in semideserts. Biul. MOIP. Otd. biol. 61 no.1:69-70 Ja-F '56
(MLRA 9:6)

(DESERT FLORA)

VOSTOKOVA, Ye.

Chukalak-mounds as moisture and salinity indicators [with summary
in English]. Biul. MOIP. Otd. biol. 61 no. 6: 95-98 N-D '56. (MLRA 10:8)
(MOUNDS) (SOIL MOISTURE) (ALKALI LANDS)

VIKTOROV, Sergey Vasil'yevich, starshiy nauchnyy sotrudnik; VOSTOKOVA,
Yelizaveta Alekseyevna; VYSHEVKIN, Dmitriy Dmitriyevich; KHAMICOV,
V.Z., red.; GEORGIEVA, G.I., tekhn.red.

[Brief manual of geobotanical surveying] Kratkoе rukovodstvo po
geobotanicheskim s"emkam. Velikie Luki, Izd-vo Mosk.univ., 1959.
(MIRA 13:1)
165 p.
1. Kafedra biogeografii geograficheskogo fakul'teta Moskovskogo
gosudarstvennogo universiteta (for Viktorov).
(Phytogeography)

3(5)

SOV/10-59-3-13/32

AUTHORS: Vostokova, Ye.A.

TITLE: The Influence of the Underground Relief on the Vegetational Cover in the Zhana-Darya Plain

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 3, pp 94-95 (USSR)

ABSTRACT: The author shows by the example of the Zhanadarya Plain how geological strata affect the vegetational cover of the region and how the vegetational cover shows the presence of some definite geological strata as well as the presence and flow-direction of underground water. Results of her studies in the Zhina-Darya Plain are given in a chart. There is 1 chart and 2 Soviet references.

Card 1/1

15-1957-3-2820

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
pp 45-46 (USSR)

AUTHORS: Viktorov, S.V., Vostokova, Ye. A., Voronkova, L.F.

TITLE: The Use of Geobotanical Clews for the Detection of
Diastrophism (Ispol'zovaniye geobotanicheskikh prizna-
kov dilya obnaruzheniya tektonicheskikh narusheniy)

PERIODICAL: Tr. Vses. aerogeol. Tresta, 1955, vol 1, pp 89-98

ABSTRACT: The paper describes two instances of detection of dia-
strophic events by changes in the plant cover. In the
Sultansandzhar (Khorezm) basin, lines of fractures are
emphasized by the linear distribution of groups of
moisture-loving and salt marsh plant associations. This
phenomenon is the consequence of distinctive hydrogeolo-
gical conditions--the subflow of salty waters along
lines of faults. These associations are clearly dis-
tinguishable against the gray background of desert vege-
tation. The most recent diastrophism in the region of
young structures of southwestern Turkmenia was char-

Card 1/2

15-1957-3-2820

The Use of Geobotanical Clews for the Detection of Diastrophism

acterized by an unhealthy plant cover, and even by the loss of many species. The percentage of surviving plants increases in proportion to the distance from the zone of deformation. The most important cause of the extinction of some plants is the rise of salt water along the fault planes. Therefore, in order to discover faulting by geobotanical clews, one should pay particular attention to linear arrangement of plant associations, to salt marshes, and to the mass extinction of plants or an unhealthy plant cover.

Card 2/2

Ye. A. V.

VOSTOKOVA, Ye.A.

VOSTOKOVA, Ye.A.

Botanical methods of prospecting for uranium-bearing ores deposits.
Razved. i okh. nedr 23 no.7:33-34 J1 '57. (MLRA 10:11)

1. Vsesoyuznyy aerogeologicheskiy trest.
(Uranium ores) (Prospecting)

UOSTOKOUA

Te. A.

BOOK EXHIBITATION
Soviet Survey Methods

Study, No. 6: Material VII. Geocorrelation methods of group surveys (continued).
 In series "Geological Methods". I. Volume 1956-4. (Materials of the All-Union Interdepartmental Conference on Aerial Surveying, 1959. The All-Union Interdepartmental Conference on Aerial Surveying, 1959. Moscow, Gosgeoprint, 1961. December 1956.) Moscow, Gosgeoprint, 1961.
 5,000 copies printed.

Ed. of Publishing House: V. G. Pilatov, Gen. Ed. O. A. Gurvits.
 Authorial Commission: E. G. Kali, Corresponding Member, Academy of Geological Sciences; A. A. Logachev, V. P. Klyuchev (Chairman) (Sup., Ed.), and F. F. Slobodov.

PURPOSE: This publication is intended for photogrammetric, geological, geophysical, and other scientific and technical personnel concerned with aerial photography.

CONTENTS: This issue of the Transactions of the Laboratory presented at the 7th All-Union Interdepartmental Conference on Aerial Surveying, which took place in Leningrad, November 25 through December 2, 1956, articles treat problems dealing with the conception and application of aerial survey methods in geology, geophysics, and geochemical, and physical investigations. Special attention is directed to aerial survey methods in geological and geomorphological mapping and survey work under different conditions. The methods of both airborne magnetic prospecting and aerial photography are described. References accompany individual articles.

TABLE OF CONTENTS

- Aristarkhov, I. B. [All-Union State for Aerial Geological Surveys]. Article from the Application of Aerial Survey Methods to Interpretation Geological Surveys of Deserts and Semi-Deserts Areas Near the Caspian Sea. 101
- Balashov, G. A. [Bogolyubov Institute of All-Union Geological Prospecting Office]. Techniques of the Southeastern Part of the Argentine-Patagonian Area (Central Patagonian Region) According to Aerial Geological-Survey Data. 102
- Borisenko, V. S., and B. N. Kratikov [All-Union State for Aerial Geological Surveys]. Usage of Aerial Geological Interpretation Methods in the Minusinsk Basin [Supervision]. 103
- Voinikov, A. V. [Laboratory of Aerial Survey Methods, Academy of Sciences, USSR]. Geological Structures of Permian Formations in the Terek-Terek Region (Central Kazakhstan). 104
- Baburova, O. A. [All-Union State for Aerial Geological Surveys]. Article from the Application of Aerial Survey Methods to Interpretation Geological Surveys of Soviet Army Air Forces. 105
- Kobtsev, E. V., and V. Z. Kuklev [Laboratory of Aerial Survey Methods, USSR]. Application of Aerial Survey Methods in the Exploration of Elbrusite Deposits. 106
- Tikhonov, E. V., and T. A. Vorob'eva [All-Union State for Aerial Geological Surveys]. Article from the Application of Aerial Geological Survey Methods to the Study of the Scope of Geological Investigations Carried Out Within the Scope of Ecological and Hydrogeological Investigations. 107
- Khomenko, N. A. [Laboratory of Aerial Survey Methods, Academy of Sciences, USSR]. Problems Related to the Use of Photometric Properties of Rock (Promulgated in the Study of Soil-Mine Deposits of Western Turkmenia). 108
- Slobodov, I. M. [All-Union State for Aerial Geological Surveys]. Article from the Optical Layer of the Troposphere [Base of 1:150,000 Scale for Geological Studies]. 109
- Gurvits, I. I. [Laboratory of Aerial Survey Methods, Academy of Sciences, USSR]. Application of Aerial Photography to Geophysical and Mineralogical Studies of Sediments and Lenses. 110
- Fedorov, I. A. [Laboratory of Aerial Survey Methods, Academy of Geological Sciences]. Certain Aspects of Geomorphological Interpretation of Aerial Photographs of Deserts and Steppes. 111
- Sokolovskii, A. Ye. [Laboratory of Aerial Survey Methods, Academy of Sciences, USSR]. The Role of Aerial Survey Methods in Scientific Palynology. 112

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

VIKTOROV, S.V.; VOSTOKOVA, Ye.A.; VYSHIVKIN, D.D.

Some problems of the theory of geobotanical indicator studies.
Trudy MOIP 8:7-11 '64.

(MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

VOSTOKOVA, Ye.A.

Present state of the study of plants as groundwater indicators.
(MIRA 17:12)
Trudy MOIP 8:12-17 '64.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

VOSTOKOVA, Ye.A.; SHAVYRINA, A.V.; PREOBRAZHENSKAYA, N.N.; TAGUNOVA, I.N.

Compiling reference books on indicator plants. Trudy MOIP 8:
232-235 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

VOSTOKOVA, Ye.A.

Vegetation on gypsoferous rocks in southwestern Turkmenistan.
Izv. Vses. geog. ob-va 95 no.5:430-436 S-0 '63. (MIRA 16:12)

VIKTOROV, Sergey Vasil'yevich; VOSTOKOVA, Yelizaveta Alekseyevna;
VYSHIVKIN, Dmitriy Dmitriyevich; SOKOLOVA, N.A., red.;
GEORGIYEVA, G.I., tekhn. red.

[Introduction to indicator geobotany] Vvedenie v indikatsion-
nuiu geobotaniku. Moskva, Izd-vo Mosk.univ., 1962. 226 p.
(MIRA 15:9)

(Indicator plants)

VOSTOKOVA, Ye.A.

Effect of increased natural radioactivity on plants. Bot. zhur. 46
(MIRA 14:7)
no. 5:676-680 My '61.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii, Moskva.
(Plants, Effect of radioactivity on)

VOSTOKOVA, Ye.A.; VYSHIVKIN, D.D.

Black saksaul stands in sands of the northern Kyzyl Kum. Biul.
MOIP. Otd. biol. 66 no.2:98-103 Mr-Ap '61. (MIRA 14:6)
(KYZYL KUM—SAKSAUL)

VIKTOROV, S.V.; VOSTOKOVA, Ye.A.; FEDOROVA, L.N., red. izd-va; BYKOVA,
V.V., tekhn. red.

[Fundamentals of indicator geobotany] Osnovy indikatsionnoi geo-
botaniki. Moskva, Gos. nauchno-tekh. izd-vo lit-ry po geol. i
okhrane nedor, 1961. 86 p. (MIRA 14:9)
(Indicator plants)

VOSTOKOVA, Yelizaveta Alekseyevna; VIKTOROV, S.V., red.; FEDOROVA, L.N.,
red. izd-va; GURSOVA, V.A., tekhn. red.

[Geobotanical methods of searching for underground waters in arid
regions of the Soviet Union] Geobotanicheskie metody poiskov pod-
zemnykh vod v zasushlivykh oblastiakh Sovetskogo Soiuza. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1961.
(MIRA 14:9)

87 p.

(Water, Underground)

(Indicator plants)

VOSTOMIL, Ye.A.

Methods for locating fresh waters in Solonchak depressions
of steppes and deserts. Sov.geol. 4, no.2:15-257 P '61.
(NRA 14:10)

1. Vsesoyuznyy nauchno-sledovatel'skiy institut gidrogeologii
i inzhenernoy geologii.
(Cattle-watering)

VOSTOKOVA, Ye.A.; TAGUNOVA, L.N.; VEREYSKIY, N.G.; PREOBRAZHENSKAYA, N.N.; MOSKALENKO, N.G.; RACHINSKAYA, N.N.; TURMANINA, V.I.; SHITOV, V.D.; ORLOVA, V.P., red.; PEVZNER, V.I., tekhn.red.; OKOLELOVA, Z.P., tekhn.red.

[Handbook and guide to the lithological composition of surfical sediments and the depth of occurrence of underground waters] Spravochnik-opredelitel' litologicheskogo sostava poverkhnostnykh otlozhenii i glubiny zaleganiia podzemnykh vod. Pod red. N.G.Vereiskogo i E.A.Vostokovoi. Moskva, vod. Sel'khozizdat, 1963. 259 p. (MIRA 17:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut gldrogeologii i inzhenernoy geologii (for all except Orlova, Pevzner, Okolelova).

RYABCHENKOV, A.S.; ANTONENKO, K.I.; TITOV, N.A.; CHAPOVSKIY, Yo.G.;
CHURINOV, M.V.; KONOPIYANTSEV, A.Z.; VIKTOROV, S.V.; VOSTOKOVAYA,
Ye.A.; SADOVSKIY, N.D.; KUDELIN, B.I.; OGIL'VI, N.A.;
LUNGEORGAUZEN, G.F.; BRODSKIY, I.A.; SECHERBAKOV, A.V.; POPOV,
V.N.; YEMEL'YANOVA, "e.P.; SOKOLOV, S.S.; BERSENEV, I.I.; GROSHIN,
S.I.; MAKKAVEYEV, A.A.; MARINOV, N.A.; YEFIMOV, A.I.; ASSOVSKIY,
G.N.; VLADIMIROV, A.G.[deceased]; PROKHOROV, S.P.; FILIPPOVA,
B.S., red. izd-va; BYKOVA, V.V., tekhn. red.

[Methodological manual on hydrogeological surveying at the scales
of 1:1,000,000 - 1:500,000 and 1:200,000 - 1:100,000] Metodiches-
koe rukovodstvo po gidrogeologicheskoi s"emke mashtabov
1:1000 000 - 1:500 000 i 1:200 000 - 1:100000. Pod obshchei
red. A.A.Makkaveeva i A.S.Riabchenkova. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1961. 318 p.
(MIRA 15:3)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr.
(Water, Underground) (Geological surveys)

BARABANSHCHIKOV, A.V., podpolkovnik, kand. pedag. nauk; GALKIN,
M.I., polkovnik, kand. fil. nauk; D'YACHENKO, M.I., podpol-
kovnik, kand.ped.nauk,dots.; KOTOV, N.F., polkovnik,kand.
ped.nauk; KOROBEEYNIKOV, M.P., polkovnik, kand.ped.nauk;
KRAVCHUN, N.S., kapitan 2 ranga, kand.ped.nauk, dots.;
LUTSKOV, V.N., kand. ped. nauk, podpolkovnik; FEDENKO, N.F.,
kapitan, kand. ped. nauk, dots.; SHELYAG, V.V., kapitan 1 ranga,
kand. fil.nauk; VOSTOKOV, Ye.I., general-mayor, kand. ist. nauk;
KUBASOV, A.F., general-leytenant zapasa, red.; BELCUSOV, G.G.,
general-mayor, red.; TREFILOV, N.F., kapitan 2 ranga, red.;
MURASHOVA, L.A., tekhn.red.

[Fundamentals of military pedagogy and psychology; i. training
aid] Osnovy voennoi pedagogiki i psikhologii; uchebnoe posobie.
[By] A.V.Barabanshchikov i dr. Moskva, Voenizdat, 1964. 383 p.
(MIRA 17:2)

VOSTORGOVA, Ye.N.

Separation of stones from corn grains. Sakh.prom. 37 no.9:58-63
(MIRA 16:9)
S '63.

1. Osetinskiy krakhmal'nyy zavod.
(Starch industry) (Separators(Machines))

VOSTORGOVA, Ye. N.

Industrial requirements for corn. Sakh.prom. 33 no.10:
64-67 O '59. (MIRA 13:3)

1. Ossetinskiy krakhmal'nyy zavod.
(Cron (Maize))

VOSTAL, Oldrich

Osteosynthesis of fractures of the diaphysis of the tibia using screws. Acta chir. orthop. traum. czech. 26 no.2:134-139 Mar 59.

1. Ortopedicka klinika MU v Brne, prednosta prof. MUDr. B. Frejka.

(TIBIA, fract..

surg., screw technic for osteosynthesis of diaphyseal fract.
(Cz))

VOSTRCIL, J.; FINTAJSL, CH.

Polyelectrolytes as coagulants in water treatment. p. 545.

~~VODNÍ HOSPODARSTVÍ~~. (Ministerstvo energetiky a národního hospodarství a vedecká technika a společnost pro vodní hospodarství) Praha, Czechoslovakia, No. 12, Dec. 1959.

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2,
Feb. 1960

Uncl.

Vostrcil, J.

CZECHOSLOVAKIA/Cosmochemistry, Geochemistry, Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32109

Author : J. Vostrcil

Inst : College of Agriculture and Forestry, Brno.

Title : Hydrochemical Conditions at Moravitsa River and Its Tributaries Podolski and Cherni Streams.

Orig Pub : Sbor. Vysoke skoly zemed. a lesn. Brne, 1957, 4, No 1,
15-31

Abstract : The study of the Moravitsa river carried out during the time from May 1953 to November 1954 showed (data of 8 tables) that the quality of its water is good as far as the mouth of the Podolski stream: pH is 6.25 to 7.15; the contents are (in mg per lit): NH_3 - 0.1, NO_2 - 0.02 to 0.03, NO_3 - 0.3 to 4.5, Cl - 4.5 to 13.6, SO_4 - 6.2 to

Card 1/2

14

VOSTRCIL, Miroslav

Fracture of the ventral iliac spine caused by direct force. Rozhl.
chir. 36 no.8:560-562 Aug 57.

1. Chirurgicke oddeleni nemoenice v Ostrave I, prednosta doc.
Cestmir Vohnout.
(ILIUM, fract.
ventral spine caused by direct force, ther. (Cx))

AUTHORS:

Ignat'yeva, A.V., and Vostretsov, B.A.

SOV/14C-58-4-12/30

TITLE:

The Representation of Functions of Several Variables With the Aid
of Plane Waves and the Solution of the Cauchy Problem for Hyper-
bolic Systems (Predstavleniye funktsiy mnogikh peremennykh s
pomoshch'yu ploskikh voln i resheniye zadachi Koshi dlya giper-
bolicheskikh sistem)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1958, Nr 4,
pp 100-112 (USSR)

ABSTRACT: The paper contains a detailed, rather complete representation
of the results announced in [Ref 1,2].
There are 5 references, 4 of which are Soviet, and 1 German.

ASSOCIATION: Moskovskiy aviationsionnyy institut (Moscow Aviation Institute)

SUBMITTED: February 17, 1958

Card 1/1

VOSTRETSOV, B.A. (Moskva)

One method for deducting Herglotz-Petrovskii formulas. Mat.
sbor. 51 no.2:173-190 Je '60.
(Functions of several variables)

VOSTRETSOV, B. A.

42-5-8/17

AUTHOR:

VOSTRETSOV, B.A.

TITLE:

On the Question of the Solution of the Cauchy Problem for
Hyperbolic Linear Systems (K voprosu o reshenii zadachi Koshi
dlya giperbolicheskikh lineynikh sistem)

PERIODICAL: Uspekhi Mat.Nauk, 1957, Vol.12, Nr.5, pp.197-204 (USSR)

ABSTRACT: Ignat'yeva, A.V. [Ref 1,2] asserted that if $f(x_1, \dots, x_n)$ is a
function continuous and bounded in D, there exists a function
sequence $\varphi_N(z, p_1, p_2, \dots, p_n)$ such that

$$(1) \quad f(x_1, x_2, \dots, x_n) = \lim_{n \rightarrow \infty} \int_{\sum_i p_i^2 = 1} \varphi_N(x_1 p_1 + x_2 p_2 + \dots + x_n p_n; p_1, p_2, \dots, p_n) d\sigma.$$

Here the φ_N are continuous in $|z| \leq d$, where d is the upper bound of the distances of the points of D from the origin, and besides $\sum_i p_i^2 = 1$. Furthermore Ignat'eva showed that if f is

Card 1/2 continuous in D with its first m derivatives, then the functions

On the Question of the Solution of the Cauchy Problem for
Hyperbolic Linear Systems

42-5-8/17

φ_N can be chosen such that the sequence

$$\int \frac{\partial^{m_1+m_2+\dots+m_n}}{\partial x_1^{m_1} \partial x_2^{m_2} \dots \partial x_n^{m_n}} N(x_1 p_1 + \dots + x_n p_n; p_1, p_2, \dots, p_n) dG,$$

$\sum_1^n p_i^2 = 1$

$m_i \geq 0, i = 1, 2, \dots, n, \sum_{i=1}^n m_i = m$ in every $D' \subset D$ converges

uniformly to $\frac{\partial^{m_1+m_2+\dots+m_n}}{\partial x_1^{m_1} \partial x_2^{m_2} \dots \partial x_n^{m_n}} f(x_1, \dots, x_n)$.

The author uses this and similar results of Ignat'eva in order to reduce the solution of the Cauchy Problem for hyperbolic linear systems in several variables to the solution of the same problem for a hyperbolic system with two variables. The reduction bases on the representation of the given initial conditions in the form (1) and on numerous very extensive transformations. The correctness of the given problem is assumed. 4 Soviet and 1 foreign

Card 2/2
SUBMITTED:
AVAILABLE:

August 2, 1956 1. Hyperbolic functions References are quoted.

S/020/62/144/006/001/015
B112/B104

AUTHORS: Vostretsov, B. A., and Kreynes, M. A.

TITLE: Approximation of plane waves by superpositions of plane waves with given directions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 6, 1962, 1212-1214

TEXT: The following theorem is demonstrated: Any continuous function $f(\vec{a}\vec{x})$ ($\vec{x} \in D$, $\vec{a} \in M$) can be uniformly approximated (within the domain D) by continuous sums of the form $\sum_{i=0}^N \varphi_i(\vec{a}_i \vec{x})$ if and only if the point \vec{a} is algebraically dependent on the set M.

PRESENTED: February 7, 1962, by A. N. Kolmogorov, Academician

SUBMITTED: January 20, 1962

Card 1/1

VOSTRETSOV, B.A.; KREYNES, M.A.

Approximation of continuous functions by superposition of plane
waves. Dokl. AN SSSR 140 no.6:1237-1240 O '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom A.N.Kolmogorovym.
(Functions, Continuous) (Sequences (Mathematics))

89986

S/039/60/051/002/001/005
C111/C333

16-2600

AUTHOR: Vostretsov, B.A. (Moscow)

TITLE: On a deduction of the formula of Herglotz - Petrovskiy

PERIODICAL: Matematicheskiy sbornik, v. 51, no. 2, 1960, 173-190

TEXT: Let $P=P\left(\frac{\partial}{\partial t}, \frac{\partial}{\partial x_i}\right)$ be a polynomial of degree m in $\frac{\partial}{\partial t}$ and $\frac{\partial}{\partial x_i}$ (i=1,2,...,n) with sufficiently smooth coefficients only depending on t . The solution of the Cauchy problem

(1)

$$P\left(\frac{\partial}{\partial t}, \frac{\partial}{\partial x_i}\right)u = 0$$

with the initial conditions

$$u_t^{(k)}(0, x) = f_k(x), \quad f_k(x) \in F \quad (k=1, 2, \dots, m-1) \quad (1')$$

where F is a certain class of functions, can be carried out with the aid of the method of plane waves according to the following scheme: Find a linear homogeneous operator L satisfying the following conditions:a) L transforms every $f \in F$ into a function of a variable z and of the parameters ξ_i ($i=1, 2, \dots, n$):

Card 1/6

89966
S/039/60/051/002/001/005
C111/C333

On a deduction of the formula...

$$\varphi_f(z, \xi) = Lf(y),$$

(2)

where the $f \in F$ are defined on a domain D of the R_n .

b) L^{-1} exists so that

$$f(x) = L^{-1}\varphi_f(z, \xi), \quad z=x\xi.$$

(3)

With the aid of L, L^{-1} the initial conditions (1') can be written in the form $f_k(x) = L^{-1}\varphi_{f_k}(z, \xi)$, $k=1, 2, \dots, m-1$. From the equation

$$P\left(\frac{\partial}{\partial t}, \xi_1 \frac{\partial}{\partial z}\right)v = 0 \quad (4)$$

with two variables t, z one obtains a plane wave $v(t, z\xi)$ as solution for every system of values of the parameters ξ_1 . The solution of (1)-(1') then is given by $u(t, x) = L^{-1}v(t, z, \xi)$, $z=x\xi$. The solution of the Cauchy problem with several variables is thereby reduced to the solution of the same problem with two variables.
In the paper of A.V.Ignat'yeva (Ref.1: Ob odnom spetsial'nom

Card 2/6

89966

S/039/60/051/002/001/005

C111/C333

On a deduction of the formula...

predstavlenii funktsiy mnogikh peremennykh [On a special representation of the functions of several variables], Uchenyye zapiski MGU, vyp. 186, matematika, t.IX (1959), 235-244), a method for constructing the operators L and L^{-1} is given, whereby an arbitrary continuous, bounded $f(x)$ can be decomposed into plane waves:

$$f(x) = \lim_{N \rightarrow \infty} \iint_D f(y) \iint \psi_N[(y-x)p] d\omega_p dy = \lim_{N \rightarrow \infty} \iint_D d\omega_p \iint f(y) \psi_N[(y-x)p] dy, \quad (7)$$

where ω is the unit sphere, $d\omega_p$ its surface element, p , $|p|=1$, its points, and where $\psi_N(q)$, according to (Ref.1), is given by

$$\psi_N(q) = \left(\frac{2}{\pi}\right)^{\frac{1+(-1)^n}{2}} \frac{\Gamma(\frac{n-1}{2}) \Gamma(\frac{n}{2})}{8(\sqrt{\pi})^{2n-1} [(n-3)!!]^2} \int_0^{\frac{\pi}{2}} \sin^{n-2}\beta \cos \beta H_N^{(n-1)}(q \cos \beta) d\beta, \quad (6)$$

where $H_N(q)$ is a sequence of $(n-1)$ -times continuously differentiable functions which satisfy the conditions: 1) $H_N(q) \geq 0$ for $q > 0$,

Card 3/6

X

89966
S/039/60/051/002/001/005
C111/C333

On a deduction of the formula...

$H_N^{(k)}(0)=0$ ($k=0, 1, \dots, n-1$). 2) $H_N(-\zeta)=-H_N(\zeta)$ if n is even, and $H_N(-\zeta)=-H_N(\zeta)$ if n is odd. 3) $\lim_{N \rightarrow \infty} \int_0^{\zeta} H_N(s) ds = 1$ for all $\zeta > 0$.

The described method is used in particular in order to solve, for an equation (1) hyperbolic in the strong sense, where P is a homogeneous form, the Cauchy problem

$$u_t^{(1)}(0, x) = \begin{cases} 0 & (1=1, 2, \dots, m-2), \\ f(x) & (1=m-1), \end{cases} \quad (8')$$

if $f(x)$ is sufficiently smooth and equal to zero outside of $D \subset R_n$.

With the aid of the method described above, the author shows (in accordance with F.John (Ref.2: Plane waves and spherical means applied to partial differential equations, New York-London, 1955)) that the solution is given by

$$u(t, x) = \iint_D f(y) K(t, x-y) dy, \quad (17)$$

where the kernel is given by the well-known formulas of Herglotz-

Card 4/6

X
89966
S/039/60/051/002/001/005
C111/C333

On a deduction of the formula...

$H_N^{(k)}(0) = 0$ ($k=0, 1, \dots, n-1$). 2) $H_N(-q) = H_N(q)$ if n is even, and $H_N(-q) = -H_N(q)$ if n is odd. 3) $\lim_{N \rightarrow \infty} \int_0^q H_N(s) ds = 1$ for all $q > 0$.

The described method is used in particular in order to solve, for an equation (1) hyperbolic in the strong sense, where P is a homogeneous form, the Cauchy problem

$$u_t^{(1)}(0, x) = \begin{cases} 0 & (l=1, 2, \dots, m-2), \\ f(x) & (l=m-1), \end{cases} \quad (8')$$

if $f(x)$ is sufficiently smooth and equal to zero outside of $D \subset R_n$.

With the aid of the method described above, the author shows (in accordance with F.John (Ref.2; Plane waves and spherical means applied to partial differential equations, New York-London, 1955)) that the solution is given by

$$u(t, x) = \iint_D f(y) K(t, x-y) dy, \quad (17)$$

where the kernel is given by the well-known formulas of Herglotz-

Card 4/6

89966

S/039/60/051/002/001/005
C111/C333

On a deduction of the formula...

Petrovskiy (see: F.John (Ref.2); I.M.Gel'fand and Z.Ya.Shapiro (Ref.3); Odnorodnyye funktsii i ikh prilozheniya [Homogeneous functions and their extensions], Uspekhi matem.nauk, t. X, vyp. 3(65), (1955), 3-70); I.G. Petrovskiy (Ref.4: O diffuzii voln i lakunakh dlya giperbolicheskikh uravneniy [On the diffusion of waves and the lacunas for hyperbolic equations], Matem.sb., 17(59) (1945), 289-370)):

$$K(t, x) = \frac{(-1)^{\frac{n-1}{2}}}{2(2\pi)^{n-1}(n-n-1)!} \iint_{H(\xi)=0} (x\xi + t)^{m-n-1} \operatorname{sign}(x\xi + t) d\sigma \quad (17')$$

if n is odd and

$$K(t, x) = \frac{2(-1)^{\frac{n}{2}}}{(2\pi)^n(n-n-1)!} \iint_{H(\xi)=0} (x\xi + t)^{m-n-1} \ln \left| \frac{x\xi + t}{x\xi} \right| d\sigma \quad (17'')$$

ds -- surface

if n is even; here

$$d\sigma = \frac{ds}{|\operatorname{grad} H(\xi)| \operatorname{sign} \sum_{i=1}^n \xi_i H_{\xi_i}}$$

Card 5/6

89966

8/339/60/051/002/001/005

C111/C333

On a deduction of the formula...

element of the surface $H(\xi)=0$, $H(\xi)=P(1, \xi_i)$, $\xi_i = \frac{p_i}{\lambda_i}$, $\lambda_k = \lambda_k(p)$ --

roots of the equation $P(\lambda, p_i)=0$, where p is a point of the unit sphere.

The author thanks M.A.Kreyn for the guidance and S.A.Gal'pern for advices.

There are 5 references; 4 Soviet-bloc and 1 non-Soviet-bloc. The reference to English-language publication reads as follows: Fritz John, Plane waves and spherical means applied to partial differential equations, New York- London, 1955.

SUBMITTED: October 2, 1958

Card 6/6

TOLSTOV, Georgiy Pavlovich; VOSTRETSOV, B.A., red.

[Elements of mathematical analysis] Elementy matematicheskogo analiza. Moskva, Nauka. Vol.1. 1965. 515 p.
(MIRA 19:1)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

VOSTRETSOV, B.A.

Structure of analytic solutions to a class of systems of linear
partial equations with constant coefficients. Dokl. AN SSSR 161
no.6:1259-1262 Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

VOSTRETSOV, B.A.

Conditions for the representability of functions of several variables as the sum of a finite number of plane waves traveling in given directions. Dokl. AN SSSR 153 no.1:16-19 N '63.
(MIRA 17:1)

1. Predstavлено академиком I.G. Petrovskim.

VOSTRETSOV, B.A.; IGNAT'YEVA, A.V.

Approximation speed of analytic functions on random continua.
(MIRA 11:6)
Uch. zap. MOPI 57 no.4:45-50 '57.
(Functions, Analytic)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

VOSTRETSOV, B.A.; KREYNES, M.A.

Approximation of a plane wave by means of superposition of plane waves of given directions. Dokl. AN SSSR. 144 no.6:1212-1214 Je '62. (MIRA 15:6)

1. Predstavleno akad. A.N.Kolmogorovym.
(Polynomials) (Functions, Continuous)

VOSTRETSOVA N. V.

URSS /Medicine - Hypertonic Diseases
Thiocyanates

Nov 49

"Treatment of Hypertonic Diseases by Thiocyanates,"
N. V. Vostretsova, Faculty Therapeutic Clinic,
Sverdlovsk Med Inst, 5 pp

"Klin Med" Vol XVII, No 11

Observations on 22 cases of hypertonic diseases led to the conclusions: Potassium thiocyanate lowers blood pressure and eliminates the main subjective symptoms. Because of its toxicity, contractions in the blood must be closely checked. It must be discontinued when intercurrent influenza symptoms appear to avoid endangering the hematencephalic barrier. Although its hypertonic action is weaker, ammonium thiocyanate is efficacious with regard to subjective symptoms and has no toxic effect. Ammonium thiocyanate can be administered in polyclinics, but treatment with potassium thiocyanate requires hospital care. Dir, Faculty Therapeutic Clinic: Prof B. P. Kushelevsky.

151153

VOSTRETSOVA, M. V.

USSR/Medicine - Virus Diseases

Nov 51

"Clinical Characteristics of the Pre-Jaundice Period of Botkin's Disease," M. V. Vostretsova, Faculty Therapeutic Clinic, Sverdlovsk Med Inst "Sov Med" Vol XV, No 11, pp 18-21

On the basis of clinical observations, concludes that pre-jaundice stage of Botkin's disease is insufficiently known to physicians because of the diversity of symptoms. There are 5 clinical variations in pre-jaundice stage: dispeptic, pseudo-grippous (frequently mistaken for influenza), feverish-dispeptic, pseudorheumatic, and latent. Early diagnosis of Botkin's disease (epidemic

USSR/Medicine - Virus Diseases
(Contd)

Nov 51

hepatitis) necessitates its recognition in the pre-jaundice stage, in so much more so as there are forms of this disease which do not involve jaundice.

204T54

VOSTRETSOVA, N.P.; BLINKINA, V.Ya.

Conference of the readers of "Promyshlenniaia Energetika" held at
the Bogoslovsk Aluminum Factory. Prom.energ. 17 no.4:51 Ap
'62. (MIRA 15:4)
(Karpinsk--Electric power--Periodicals)

VOSTRICHKIN, E.

2-3-7/14

AUTHOR: Vosstrichkin, E. Head of Capital Construction Statistics Department,
Statistical Administration of the Moldavian SSR

TITLE: Economic Work in the Capital Construction Statistics Department.
(Ekonomicheskaya rabota v otdele statistiki kapital'nogo
stroitel'stva).

PERIODICAL: Vestnik Statistiki, 1957, No 3, May-June, pp 56-61 (USSR)

ABSTRACT: The scope and methods of work of the Capital Construction Statistics Dept. of the Statistical Admin. of Moldavian SSR (Statisticheskoye upravleniye Moldavskoy SSR) are described. A large part of construction work in Moldavia being done by contractors, the Department watches the work and makes regular reports to local administration. The Department's work method is described in detail and illustrated by the check forms used. Some building organizations worked uneconomically and considerably overdrew the funds for all single estimate items. The Statistical Office revealed, for instance, in the investigation at the "Gindeshti" SMU (of the former trust "Sakhstroy") that the economy obtained through opening a stone quarry near the construction site was nullified by overconsumption of timber, cement, etc. The overconsumption of materials was caused by lax supervision and poor management, the funds for wages were overdrawn and poor organization caused long downtimes. Lately,

Card 1/2

Economic Work in the Capital Construction Statistics Department. 2-3-7/14

the Department started to pay more attention to the analysis of the work amount performed per workman. The following factors influencing the work efficiency were studied: the grade of work mechanization, application of most effective building materials, utilization of the worktime by the workers, worker skill, etc. The building of cattle pens in kolkhozes belongs to supervised construction items and is particularly closely watched in places where the construction plan is not well met.

ASSOCIATION: Statistical Admin. of Moldavian SSR (Statisticheskoye upravleniye Moldavskoy SSR)

AVAILABLE: Library of Congress

Card: 2/2

VOSTRIKOV, A. (Leninsk-Kuznetskiy)

Persistence. Sov. shakht. 13 no. 3:19 Mr '64.

(MIRA 17:3)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

L 10151-67 EWT(m)/EWP(k)/EWP(t)/ETI IJP(c) JD/M
ACC NR: AP6022508

SOURCE CODE: UR/0133/66/000/004/0348/0349

AUTHORS: Kaufman, M. Sh.; Shaykevich, S. A.; Kolmogorov, V. L.; Gleyberg, A. Z.; Alechin, V. A.; Moiseyev, G. P.; Vostrikov, G. A.; Likhenshteyn, D. Yu.; Gasilov, V. V.; Kuznetsov, B. N.; Borisov, L. M.

ORG: none

TITLE: Manufacture of two-layer pipes with continuous longitudinal channels between layers

SOURCE: Stal', no. 4, 1966, 348-349

TOPIC TAGS: pipe, steel, metal tube, metal forming

ABSTRACT: A method for manufacturing double layer steel Kh18N10T pipes with continuous longitudinal channels between the layers was developed. Two methods for the production of channels on the outer surface of the inner pipe were investigated--a rolling method and a cutting method. A schematic of the experimental installation is presented (see Fig. 1). It was found that both methods yielded pipes with smooth surfaces and uniform inner channels between the layers. The overall rate of pipe production, employing the cutting or drawing method, was 200 meters/hour. Double layer pipes having a diameter from 17 to 45 mm have been produced industrially. The following people took part in the experimental work: P. S. Ryzhikov, N. A. Pedotovskiy, A. F. Michkov, Ye. I. Tikhonov, and Ya. Z. Grinberg.

UDC: 669.774.33

Card 1/2

L 10451-67
ACC NM AP6022508

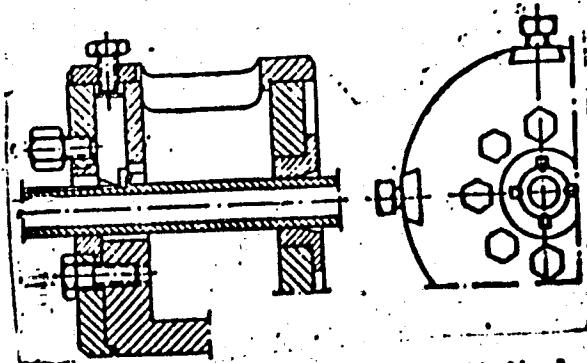


Fig. 1. Yoke for drawing longitudinal channels on the outer surface of pipes.

Orig. art. has: 3 graphs.

SUB CODE: 11 / SUBM DATE: none

Bimetals 16

Formed 9/10 640

TARNOVSKIY, I. Ya.; KOIMGOROV, V.I.; RIMM, E.R.; VOSTRIKOV, G.A.

Variation method of calculating the state of stress during
rolling. Izv. vys. ucheb. zav.; chern. met. 7 no.12:78-87 '64
(MIRA 18:1)

1. Ural'skiy politekhnicheskiy institut.

89571

S/076/61/035/002/003/015
B124/B202

11.7200

AUTHORS: Arshinov, A. A. (Deceased) and Vostrikov, I. M.

TITLE: Study of flame ionization by the electrode method

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 2, 1961, 269-275

TEXT: By means of the experimental results obtained as well as on the basis of the analysis of earlier papers, the authors proved the incorrectness of the theory developed by J. J. Thomson (Ref. 1: Conduction of electricity through gases, 3rd Ed. Cambridge, 1928) for the interpretation of flame ionization by means of a current applied to two flat electrodes because the initial condition of a current constant with time is not fulfilled. For λ (electron-free region between the electrodes) the authors derived the relation

$$\lambda^4 = \frac{4t}{\epsilon_0 n_0} \frac{k_p}{\pi} V_0^2; j = \left(\frac{\epsilon_0 n_0}{4t} \right)^{1/4} \left(\frac{k_p}{\pi} \right)^{1/4} V_0^{1/2}, \quad (8)$$

where t is the time, e_0 the electron charge, $n_p = n_e = n_0 = (q/\alpha)^{1/2}$

Card 1/8

89571

S/076/61/035/002/003/015

B124/B202

Study of flame ionization by the electrode...

(q is the assumed number of the ions and electrons formed in 1 cm³ in 1 second, α the recombination coefficient; n_e the concentration of the electrons and n_p that of the positive ions), k_p the mobility of the positive ions and V_c the potential difference applied, while, according to Thomson,

$$\lambda_0^4 = \frac{1}{\epsilon_0 q} : \frac{k_p}{\pi} V_c^2; j_0 = (\epsilon_0 q)^{1/2} \left(\frac{k_p}{\pi} \right)^{1/2} V_c^{1/2}. \quad (9)$$

is obtained, where j is the ionization current. The formal analogy of Eqs.(8) and (9), apart from the fact that λ and j depend on the concentration in (8) and on the ionization rate q in (9), was the reason of the wrong interpretation of the flame experiments. In this connection the papers by P. E. Boucher (Ref. 4: Phys. Rev., 31, 833, 1928) and H. E. Banta (Ref. 5: Phys. Rev., 22, 211, 1929) are of special importance. In the experiments conducted at 2000-2200°K with a mixture of natural gas and air the fact that the ratio

$(j/V^{1/2}) (\lambda^4/V^2) = j\lambda^3/V^2 = k_p/\pi$ in the flame is bound to be constant, was used for determining the mobility of the positive ions. The results of the experiments are given in Tables 1 and 2; k_p is, according to Banta,

Card 2/8

89571

S/076/61/035/002/003/015

B124/B202

Study of flame ionization by the electrode...

equal to $8.2 \text{ cm}^2/\text{v sec}$ for potassium ions, whereas Boucher calculated $k_p = 7$ for sodium, and $k_p = 8 \text{ cm}^2/\text{v sec}$ for potassium within the limits of experimental errors ± 1 , which corresponds to the ratio obtained for the ion mobilities of the ions K and Na : $(k_p)_{\text{Na}}/(k_p)_K = 1.15$ (Ref. 9:

P. Leb. Osnovnyye protsessy elektricheskikh razryadov v gazakh (Main processes of electrical discharge in gases). M., 1950, p. 65) and which indirectly proves the correctness of Eqs.(8). The experiments with addition of alkali metal salts to the flame are a further proof of the non-applicability of Thomson's theory. The authors' opinion is also confirmed by the addition of KCl to the flame (Ref. 5) (Table 2). For a direct proof of the unsteadiness of the current, experiments were also made with a flame with the ratio $\text{C}_3\text{H}_8:\text{O}_2 = 3:7$, $T_{\text{calc}} \approx 3000^\circ\text{K}$,

$v_{\text{calc}} = 200 \text{ cm/sec}$. $2.3 \cdot 10^{14}$ atoms of K or Na were sprayed into the flame per cm^3 of the flame. Brass electrodes were introduced into the flame by means of a pneumatic device for approximately 10^{-2} sec , and the current was measured by a cathode oscilloscope. On the basis of the unsteadiness of the current at the electrodes, the electrode method can also be used

Card 3/8

89571

S/076/61/035/002/003/015

B124/B202

Study of flame ionization by the electrode...

for measuring the concentration of the charged particles in flames, i.e., from the relation

$n_o = (j/v_o^{1/2})^{4/3} (\pi/k_p)^{1/3} (4t/e_o) = [(I/4ab)/(v_o^{1/2})]^{4/3} (\pi/k_p)^{1/2} (4a/e_o v)$
(11), where a is the length and b the width of the rectangular electrodes. Fig. 3a shows that the condition necessary for calculating n is fulfilled in the range of from 10 to 1000 v. The results of the measurements of n_o for $k_p = 8 \text{ cm}^2/\text{v sec}$ and $v = 200 \text{ cm/sec}$ are given in Table 3. The relations $v_{sat} = d^2 [(e_o n_o \pi)/(4k_p a)v]^{1/2}$ and

$I_{sat} = b \int_0^a j dy = e_o n_o v S_{f1}$ (13) are derived for the saturation voltage

v_{sat} and the saturation current I_{sat} , respectively. d denotes the electrode distance, S_{f1} the cross section of the flame between the electrodes. Fig. 3b shows the results of the measurement of I_{sat} by means of a separate circular burner with a flame cross section $S_{f1} = 0.19 \text{ cm}^2$ (or for a square cross section with the same area and $b=0.44 \text{ cm}$ and $d=0.44 \text{ cm}$). Table 4 gives the results of the calculations

Card 4/8

89571
S/076/61/035/002/003/015
B124/B202

Study of flame ionization by the electrode...

of no. from the inclination of the V - A characteristics $I/V^{1/2} = \text{const}$.
(Eq. 11) and from the saturation current I_{sat} (Eq. 13). There are 4 figures, 4 tables, and 9 references: 2 Soviet-bloc and 7 non-Soviet-bloc.
1 reference to English language publications reads as follows: T. Kinbara,
H. Ikegami, Combustion and Flame, 2, 199, 1957.

ASSOCIATION: Akademiya nauk SSSR, Institut goryuchikh iskopayemykh
(Academy of Sciences USSR, Institute of Mineral Fuels)

SUBMITTED: February 23, 1959

Card 5/8

89571
S/076/61/035/002/003/015
B124/B202

Study of flame ionization by the electrode...

Legend to Table 1

- 1) flame with addition of,
- 2) volts.

V, вольт (1)	(1) Пламя с добавкой KCl [5]					(2) Пламя с добавкой NaCl [4]				
	I·10 ⁻⁴ , A	J, см	λ/V ^{1/2}	J/V ^{1/2} ·10 ⁴	J/V ^{1/2}	V, вольт	I·10 ⁻⁴ , A	J, см	λ/V ^{1/2}	J/V ^{1/2} ·10 ⁴
44	4,0	0,13	1,5	3,24	2,4	12,8	2,58	0,27	3,2	5,57
92	5,7	0,19	1,5	3,19	2,5	22,6	3,46	0,30	3,3	5,63
140	7,3	0,24	1,7	3,31	2,8	44,9	5,11	0,50	3,1	5,89
188	9,7	0,28	1,4	3,80	2,7	88,9	7,26	0,71	3,2	5,94
236	12,5	0,29	1,3	4,36	2,9	111	8,25	0,80	3,3	6,06

Legend to Table 2:
1) k, g/l, 2) volts.

k, g/l (2)	V, вольт	I·10 ⁻⁴ , A	J, см	J/V ^{1/2} ·10 ⁴	λ/V ^{1/2}	J/V ^{1/2}	n, см ⁻⁴	J/V ^{1/2}	J/V ^{1/2}
0	132	0,156	0,87	3,0	3,3·10 ⁻⁸	6,82·10 ⁻⁹	1,4·10 ¹⁰		
1/16	139	1,35	0,425	2,9	1,7·10 ⁻⁷	6,15·10 ⁻⁸	2,5·10 ¹¹	7,70	0,74
1/4	130	2,7	0,33	3,1	6,9·10 ⁻⁷	1,27·10 ⁻⁷	6,7·10 ¹¹	5,00	0,91
1	132	5,0	0,27	3,0	3,1·10 ⁻⁷	2,34·10 ⁻⁷	1,8·10 ¹²	3,66	1,00
4	125	8,0	0,225	3,1	1,8·10 ⁻⁷	3,85·10 ⁻⁷	2,9·10 ¹²	2,14	0,97
16	142	13,0	0,21	3,2	9,8·10 ⁻⁸	5,86·10 ⁻⁷	5,1·10 ¹³	1,14	0,88
32	142	19,0	0,185	3,2	5,8·10 ⁻⁸	8,59·10 ⁻⁷	7,7·10 ¹³	1,00	1,00

Card 6/8

47214
 S/076/61/035/002/003/015
 B124/B202

Study of flame ionization by the electrode...

Legend to Table 3:

	N	n_A, cm^{-3}	$I/V^{1/2}, \text{A}$	n_0, cm^{-3}	n'_0, cm^{-3}	$I/V^{1/2}, \text{A}$	n_0, cm^{-3}	n'_0, cm^{-3}
1) potassium,								
2) sodium,								
3) pure flame								
($n'_0 = n_0 = 1.0 \cdot 10^{11}$)								
ionization by additions, n_A - concentration of the alkali metal atoms in the flame with normality N of the sprayed solution).	0,001	$2,4 \cdot 10^{11}$	$1,4 \cdot 10^{-2}$	$1,0 \cdot 10^{11}$	$0,0 \cdot 10^{11}$	$1,4 \cdot 10^1$	$1,0 \cdot 10^{11}$	$1,2 \cdot 10^{11}$
	0,01	$2,4 \cdot 10^{11}$	$2,3 \cdot 10^{-2}$	$1,9 \cdot 10^{11}$	$0,7 \cdot 10^{11}$	$2,5 \cdot 10^{-1}$	$2,2 \cdot 10^{11}$	$0,1 \cdot 10^{11}$
	0,1	$2,4 \cdot 10^{11}$	$2,1 \cdot 10^{-2}$	$3,7 \cdot 10^{11}$	$3,6 \cdot 10^{11}$	$1,3 \cdot 10^{-1}$	$2,0 \cdot 10^{11}$	$1,9 \cdot 10^{11}$
	1	$2,4 \cdot 10^{11}$	$0,6 \cdot 10^{-2}$	$1,7 \cdot 10^{11}$	$1,7 \cdot 10^{11}$	$3,2 \cdot 10^{-1}$	$0,4 \cdot 10^{11}$	$6,3 \cdot 10^{11}$

Legend to Table 4:

- 1) $I_{\text{sat}}, \text{A}...$
 2) $(n_0)_{\text{sat}}, \text{cm}^{-3}$.

	N	I_{sat}, A	$I/V^{1/2}, \text{A}/V^{1/2}$	$(n_0)_{\text{sat}}, \text{cm}^{-3}$	$(n_0)_{I/V^{1/2}}, \text{cm}^{-3}$
K	0,01	$2,2 \cdot 10^{-6}$	$1,4 \cdot 10^{-7}$	$3,5 \cdot 10^{11}$	$3,1 \cdot 10^{11}$
	0,1	$8,0 \cdot 10^{-6}$	$4,1 \cdot 10^{-7}$	$1,3 \cdot 10^{11}$	$1,3 \cdot 10^{11}$
	1	$3,3 \cdot 10^{-5}$	$1,2 \cdot 10^{-6}$	$5,3 \cdot 10^{11}$	$5,5 \cdot 10^{11}$
Na	0,01	$4,0 \cdot 10^{-6}$	$8,7 \cdot 10^{-7}$	$1,7 \cdot 10^{11}$	$1,6 \cdot 10^{11}$
	0,1	$3,2 \cdot 10^{-6}$	$1,8 \cdot 10^{-7}$	$5,1 \cdot 10^{11}$	$4,2 \cdot 10^{11}$
	1	$4,1 \cdot 10^{-5}$	$5,5 \cdot 10^{-7}$	$1,8 \cdot 10^{11}$	$1,9 \cdot 10^{11}$

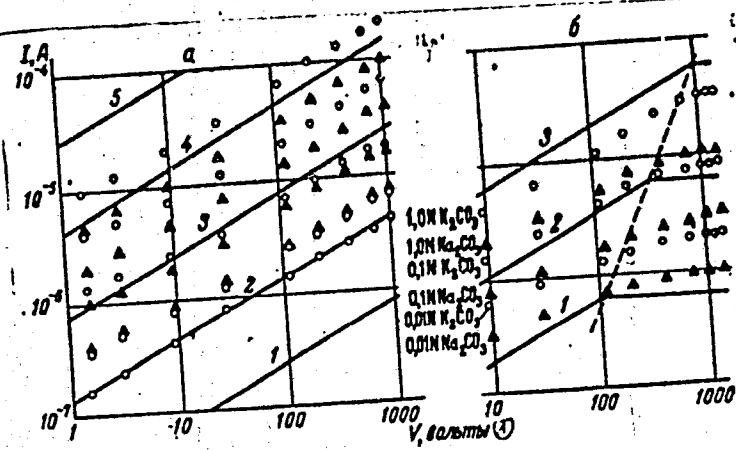
Card 7/8

8957
S/076/61/035/002/003/015
B124/B202

Study of flame ionization by the electrode...

Legend to Fig. 3:

1) V, volts.



Card, 8/8

ARSHINOV, A.A. [deceased]; VOSTRIKOV, I.M.

Ionization of flames by the electrode method. Zhur. fiz. khim.
35 no.2:269-275 F '61. (MIRA 16:7)

1. Institut goryuchikh iskopayemykh AN SSSR.

VOSTRIKOV, L., zoolog

Gliptor, a: animal poison. Zashch. rast. ot vred. i bol.
10 no.7:22 '65. (MIRA 18:10)

1. Khabarovskaya sanitarno-epidemiologicheskaya stantsiya.

VOSTRIKOV, Lev Ivanovich; KOZAREVSKIY, Yevgeniy Ivanovich; PLEKHANOV,
I.P., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Adjustment of MAZ motortrucks] Regulirovka avtomobilei MAZ.
Moskva, Avtotransizdat, 1962. 54 p. (MIRA 15:9)
(Motortrucks—Maintenance and repair)

VOSTRIKOV, M.S. (Volgograd)

Methodology of the induction and prevention of experimental
gastric ulcer in dogs. Pat. fiziol. i eksp. terap. 6 no.6:
72-72 N-D'62 (MIRA 17:3)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. G.A.
Ionkin) Volgogradskogo meditsinskogo instituta.

ADRASHEV, G.R., kand.tekhn.nauk; BARAN, Kh.G., kand.tekhn.nauk;
VAS'KOVSKIY, S.Ye., inzh.; VOSTRIKOV, N.A., inzh.; IVANOV, N.A.,
inzh.; NANKIN, G.A., inzh.; POIYAK, A.Ya., kand.tekhn.nauk;
BOLTINSKIY, V.N., akademik, red.; VOLKOV, G.I., inzh.; red.; LEVYKIN,
N.N., kand.tekhn.nauk, red.; PORTNOV, M.N., kand.tekhn.nauk, red.;
BUD'KO, V.A., red.; TRUKHINA, O.N., tekhn. red.

[Tractor performance at increased speeds] Traktornye raboty na
povyshennykh skorostях. Moskva, Sel'khozgiz, 1961. 174 p.

(MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut me-
khanizatsii sel'skogo khozyaystva.
(Tractors)

VOSTRIKOV, N.A., inzh.; SAMOKHODSKAYA, I.I., inzh.

Postharvest processing of grain. Zemledelie 27 no.8:
65-77 Ag '65. (MIRA 18:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy tekhnologicheskiy
institut remonta i ekspluatatsii mashinno-traktornogo parka.

VOSTRIKOV, N.A., inzh.; SAMOKHODSKAYA, I.I., inzh.

Organize grain harvesting properly. Zemledelie 27 no.7:11-21
(MIRA 18:7)
Jl '65.

1. Gosudarstvennyy nauchno-issledovatel'skiy tekhnologicheskiy
institut remonta i eksploatatsii mashinno-traktornogo parka.

OSADCHIY, L.I.; LEVATOV, V.A.; ORLOV, V.V.; VOSTRIKOV, N.A.

Simple model of a tensiometric electromanometer for recording
intravascular pressure. Biul.eksp.biol.i med. 57 no.5:120-122
My '64. (MIRA 18:2)

1. Laboratoriya fiziologii krovoobrashcheniya Instituta fiziologii
imeni Pavlova AN SSSR, Leningrad. Submitted June 15, 1963.

VOSTRIKOV, N.A., inzh.; SAMOKHODSKAYA, I.I., inzh.

Utilize efficiently plowing units. Zemledelie 25 no. 8:86-
90 Ag '63. (MIRA 16:10)

(Plowing)

VOSTRIKOV, Nikolay Alekseyevich, inzh.-mekhanik; ZAGORSKIY, G., red.;
POKHLEBKINA, M., tekhn. red..

[Assembling tractor units] Sostavlenie traktornykh agregatov.
Moskva, Mosk.rabochii, 1962. 27 p. (MIRA 15:7)
(Agricultural machinery)

VOSTRIKOV, N.A., inzh.;

[Get the most use from machinery in sowing grain crops;
recommendations for collective and state farms] Vysokoproizvoditel'no ispol'zovat' tekhniku na poseve zernovykh
kolesovykh kul'tur; rekomendatsii kolkhozam i sovkhozam.
Moskva, Biuro tekhnicheskoi informatsii i reklamy, 1963.
58 p. (MIRA 17:6)

1. Soyuzsel'khoztekhnika, Vsesoyuznoye ob'yedineniye.

Vostrikov, N. A.

Zipasnyye Chasti Sel'skokhozyastvennykh Mashin I Grudiy. Al'bum Chertezhoy
/ Spare parts for Agricultural Machines and Tools. Album of drawings, By /
N. A. Vostrikov, F. P. Gavrilov / I Ir. /

Moskva, Mashgiz, 1953 -

v. (v.-p.) Diagrs.

Contents.—V. 1: Pochvoobrabatyvayushchiye I posevnyye Mashiny, Opryskivateli,
Opylivateli I statsionarnyye Dvigateli.

N/5
723.1
.V9

VOSTRIKOV, Nikolay Andreyevich; VAS'KOVSKIY, S.Ye.; IVANOV, N.A.;
SAMOKHODSKAYA, I.I.; PASHEIKO, L.T.; KRYUKOV, V.L., red.;
GUREVICH, M.M., tekhn.red.

[Combined mechanized crews of corn cultivation] Zven'ia
kompleksnoi mekhanizatsii vozdelyaniia kukuruzы. Moskva,
Gos.izd-vo sel'skhoz.lit-ry, 1960. 111 p.

(MIRA 14:1)

(Corn (Maize))

(Agricultural machinery)

VOSTRIKOV, Nikolay Andreyevich; VAS'KOVSKIY, S.Ye.; IVANOV, N.A.;
SAMOKHODSKAYA, I.I.; PASHEDKO, L.T.; KRYUKOV, V.L., red.;
GUREVICH, M.M., tekhn.red.

[Over-all mechanized crews in corn cultivation] Zven'ia
kompleksnoi mekhanizatsii vozdelyaniia kukuruzy. Moskva, Gos.
izd-vo sel'skhoz.lit-ry, 1960. 111 p.

(MIRA 14:3)

(Corn (Maize)) (Farm mechanization)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3

VOSTRIKOV, N. I. (Veterinary Doctor, Chaplygin Inter-District Veterinary Bacteriological Laboratory, Lipetsk Oblast').

"Improvement of serological diagnosis of brucellosis in cattle"

Veterinariya, vol. 39, no. 8, August 1962, p. 78

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861030009-3"

VOSTRIKOV, N.I., veterinarnyy vrach

Improving the serological diagnosis of brucellosis in cattle.
Veterinariia 39 no.8:78-79 Ag '62. (MIRA 17:12)

1. Chaplyginskaya mezhrayonnaya veterinarno-bakteriologicheskaya
laboratoriya, Lipetskoy oblasti.

VOSTRIKOV, P.I., slesar'.

Lining bitumen boilers with asbestos paste. Rats.i izobr.predl.
(MIRA 7:2)
v stroi. no.60:13-14 '53.
(Bitumen) (Boilers)

VOSTRIKOV, S.I.

PHASE I BOOK EXPLOITATION

SOV/4431

Vostrikov, S.I., L.N. Zuyev, V.I. Kuznetsov, M.A. Makhmutin, A.N. Nespela,
V.A. Pelishenko, A.K. Tokmakov, and A.M. Filin

Teoriya aviationsionnykh dvigateley, ch. 2: Teoriya reaktivnykh dvigateley
(Theory of Aircraft Engines, Pt. 2: Theory of Jet Engines) Moscow,
Voyenizdat, 1960. 281 p. No. of copies printed not given.

Ed. (Title page): I.V. Kotlyar, Candidate of Technical Sciences; Ed. (Inside
book): M.S. Pisarev, Engineer-Colonel of the Reserve; Tech. Ed.: T.F.
Myasnikova.

PURPOSE: This textbook is for students of aviation technical schools. It may
also be useful to flying and ground personnel of the Air Force, Army, and
DOSAAF (All-Union Society for Promotion of the Air Force, Army, and Navy).

COVERAGE: The book generalizes and systematizes problems of aircraft engine
theory. Special attention is given to the physical causes of phenomena and
processes which take place in parts and in the whole engine. No personalities
are mentioned. There are 8 references, all Soviet.

Card 1/10-

VOSTRIKOV, S.I.; ZUYEV, L.N.; KUZNETSOV, V.I.; MAKHNUTIN, M.A.;
MESPILA, A.N.; PELISHENKO, V.A.; TOKMAKOV, A.K.; FILIN, A.M.;
MAYZEL', Yu.M., kand.tekhn.nauk, retsenzent; KOTLYAR, I.V.,
kand.tekhn.nauk, red.; PISAREV, M.S., inzh.-polkovnik zpassa,
red.; MYASNIKOVA, T.F., tekhn.red.

[Theory of airplane engines] Teoriia aviationsionnykh dvigatelei.
Pod red. I.V.Kotliara. Moskva, Voen.izd-vo M-va obor.SSSR.
Pt.2. [Theory of jet engines] Teoriia reaktivnykh dvigatelei.
1960. 281 p. (MIRA 13:7)
(Airplanes--Jet propulsion)

18(5)
AUTHOR:

Vostrikov, S.M., Sigov, I.I., and Skvortsov, A.M.,
Engineers

SOV/128-59-8-21/29

TITLE:

Inverted Conical Bunker for Molding Sand

PERIODICAL:

Liteynoye proizvodstvo, 1959, Nr 8, p 38 (USSR)

ABSTRACT:

In the steel casting department of the Leningrad Kirov plant, an inverted conical bunker for molding sand has been erected. The form of the bunker enables improved emptying. There is 1 drawing.

Card 1/1

VOSTRIKOV, V.N.

Removable dental prostheses with a two-layer base. Stomatologija
40 no.4:70-71 Jl-Ag '61. (MIRA 14:11)

1. Iz ortopedicheskogo otdeleniya (zav. R.N.Akopova) Kislovodskoy
gorodskoy stomatologicheskoy polikliniki (glavnnyy vrach D.I.Vasil'yev).
(DENTAL PROSTHESIS)

MAKARENKO, M.V.; VIKTORIN, V.D.; VOSTRIKOV, Ye.S.; PCHELIINTSEV, P.Ye.
SHEVCHENKO, B.M.

Preliminary results of the development of the Yablonovskoye
field. Geol. nefti i gaza 6 no.2:35-38 F '62.

1. Neftepromyslovoye uprahleniye Kinel'neft'.
(Kinel' District--Oil fields--Production methods)

AUTHOR: Vostrikova, A.

2-2-3/12

TITLE: On the Computation of Indices Showing the Average Duration of Life (Ob ischislenii pokazatelya sredneye prodolzhitel'nosti zhizni)

PERIODICAL: Vestnik Statistiki, 1958, # 2, pp 32-41 (USSR)

ABSTRACT: The author asserts that a systematic decrease of the death rate and natural growth in population are characteristic of the socialist system. At present, the death rate in the USSR is said to be lower and the natural growth rate higher than in the USA, England, France and other capitalist countries. The author goes on to give data on some methodological compiling tables showing the death rate and tells how to compute the index of life expectancy. Several illustrating formulas are given.

The forthcoming All-Union census in 1959 will make it possible to compile complete tables showing the actual death rate for the USSR as a whole and individually in the republics, kray, oblast' and towns. The composition of such tables will be important in the working out of new prospective plans for future economic development.

AVAILABLE: There are 2 tables.
Card 1/1 Library of Congress

AUTHORS: Vostrikova, A., Notkin, Ye. 2-58-3-14/17
TITLE: P.I. Kurkin (On the 100th Anniversary Of His Birth).
PERIODICAL: Vestnik Statistiki, 1958, Nr 3, pp 84-86 (USSR)
ABSTRACT: The article is a short biography of the statistician P.I. Kurkin (1858-1934).

Card 1/1

AUTHOR: Vostrikova, A. SOV-2-58-9-5/15

TITLE: The Development of Vital Statistics in the USSR (Razvitiye statistiki naseleniya v SSSR, Kratkaya istoricheskaya spravka)

PERIODICAL: Vestnik statistiki, 1958, Nr 9, p 23 - 30 (USSR)

ABSTRACT: The author gives a short, general historical survey on the development of Soviet statistics from 1918, when the Tsentral'noye statisticheskoye upravleniye (Central Administration of Statistics) was founded. The forthcoming census in January 1959 is said to be of great importance for the further development of vital statistics in the USSR.

Card 1/1

AUTHOR: Vostrikova, A. SOV/2-58-11-12/18

TITLE: Specifying Age in the Census (Vopros o vozraste v perepisi naseleniya)

PERIODICAL: Vestnik statistiki, 1958, Nr 11, pp 72-76 (USSR)

ABSTRACT: The article, which is intermixed with propaganda slogans, points out the importance of age determination during the census. Age is a highly important indicator for demographic and health insurance statistics. The correct filling in of the age column will produce a real picture of the age structure of the population of the USSR, it will help to determine the actual amount of labor reserve and the number of persons subject to military service.
There are 3 tables.

Card 1/1